**Figure 1**

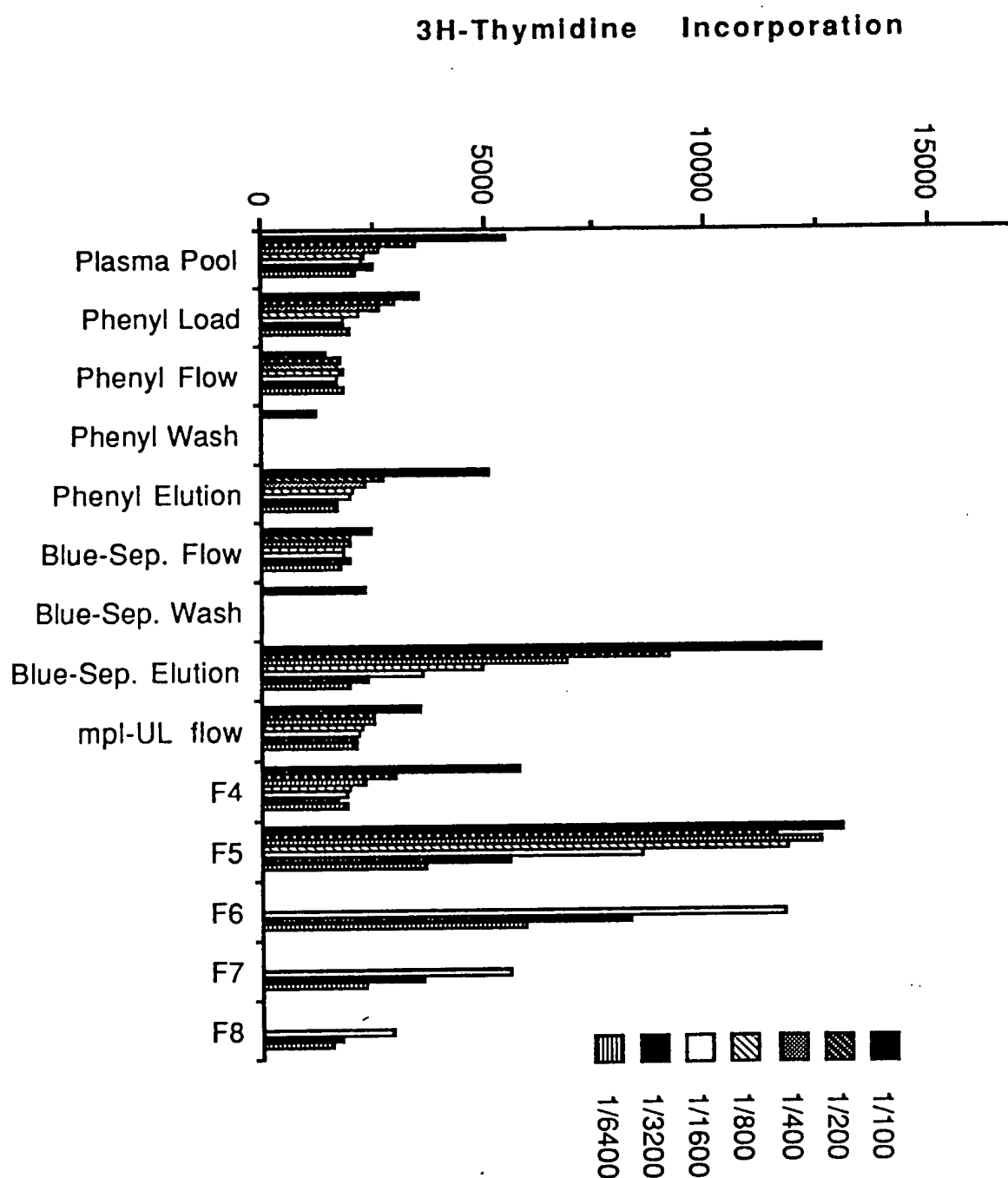


Figure 2

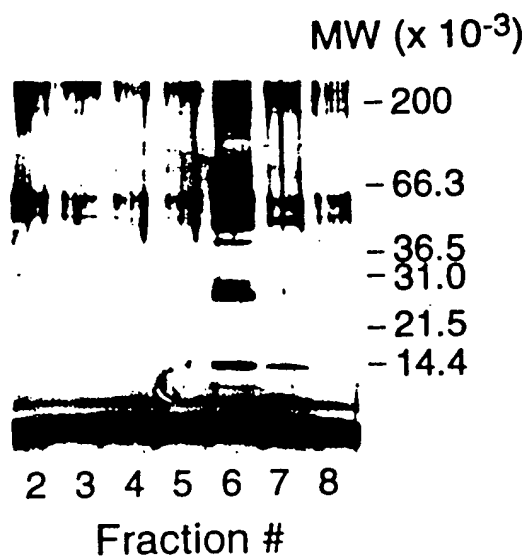


Figure 3

3H-thymidine Incorporation

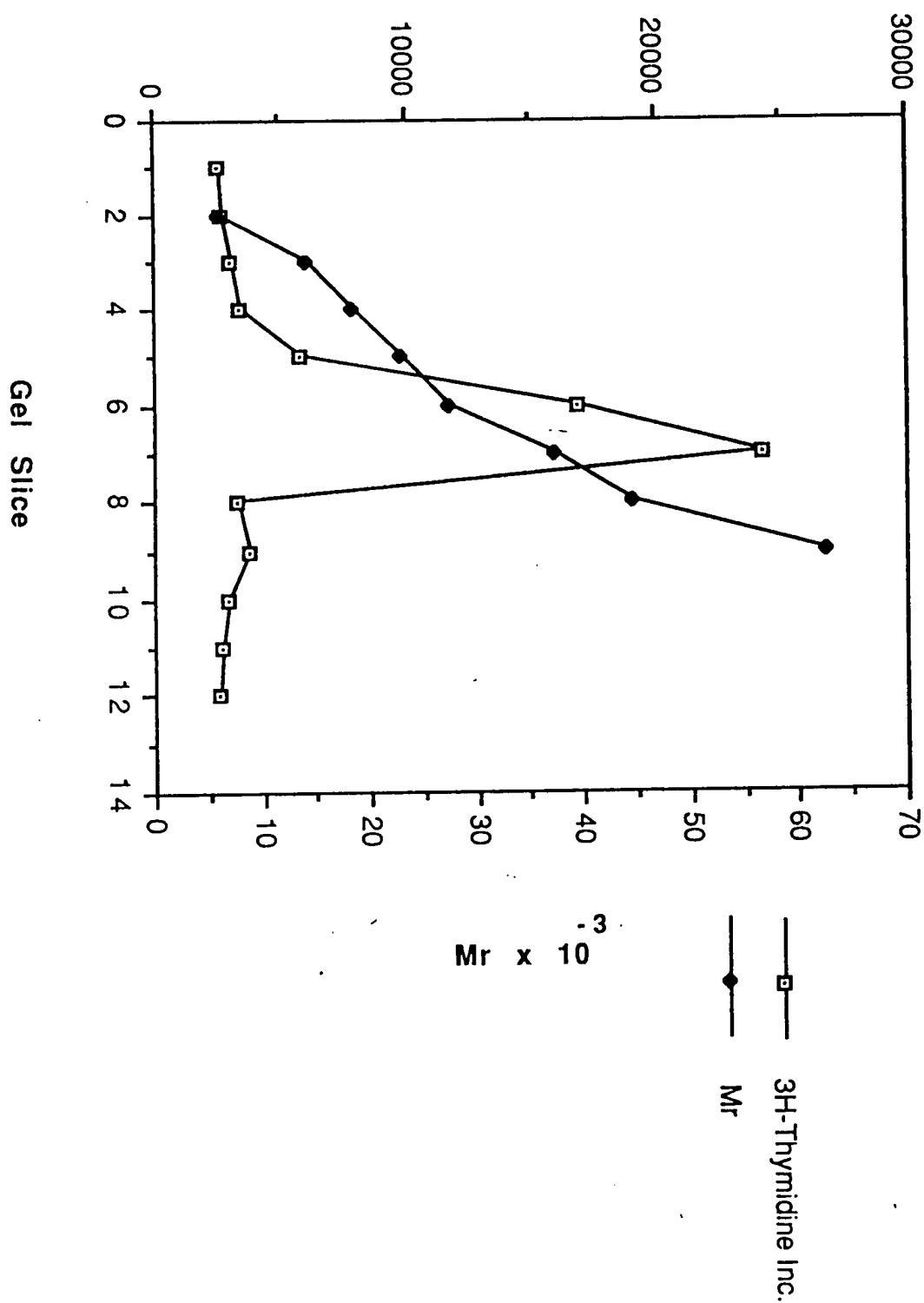


Figure 4

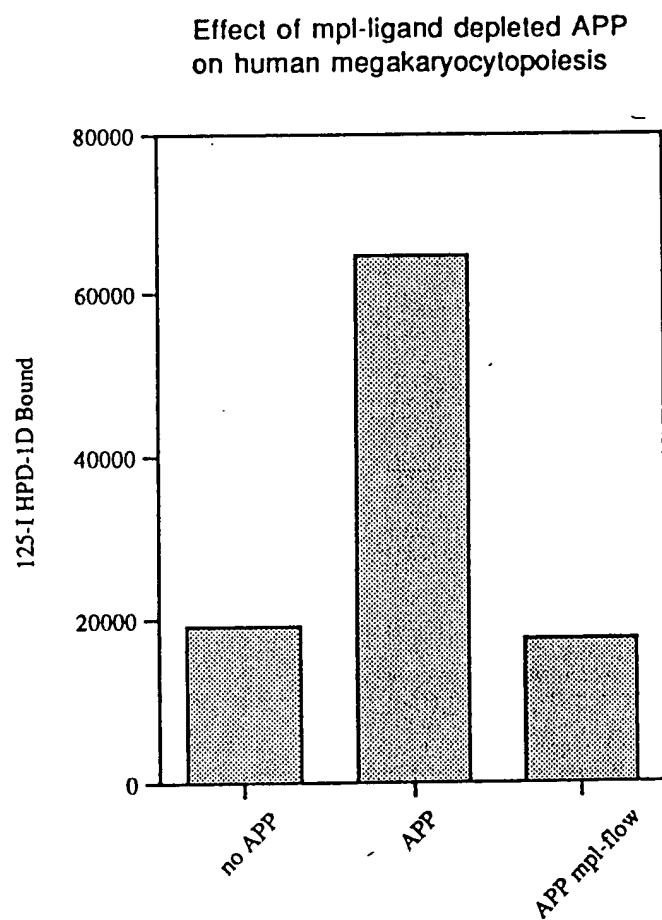


Figure 5

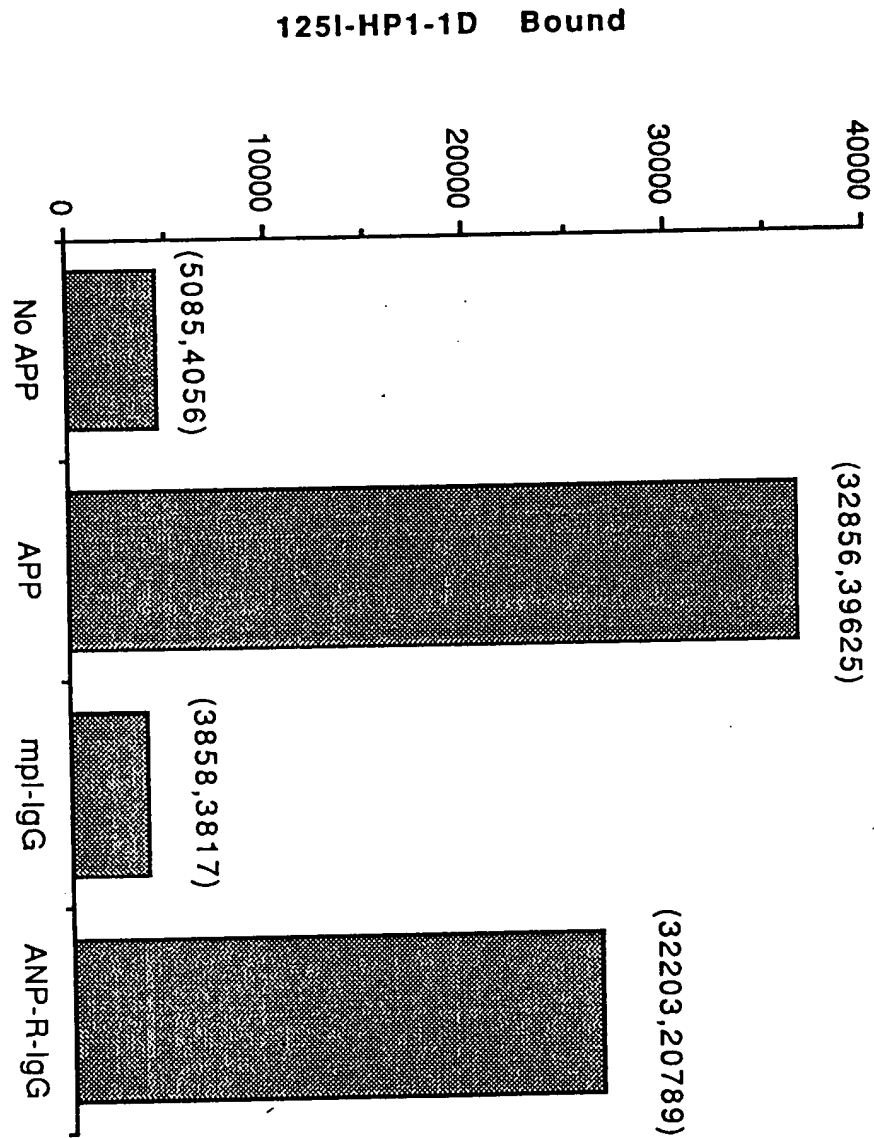


Figure 6

-10

↓ L L L V V M L L L T

1 GAATTCCTGG AATACCAGCT GACAATGATT TCCTCCTCAT CTTCAACCT CACCTCTCCT CATCTAAGAA TTGCTCCTCG TGGTCATGCT TCTCCTAACT
CTTAAGGACC TTATGGTCTGA CTGTTACTAA AGGAGGAGTA GAAAGTTTGA GTGGAGAGGA GTAGATTCTT AACGAGGAGC ACCAGTACGA AGAGGATTGA

20

↓ A R L T L S S P A P P A C D L R V L S K L L R D S H V L H S R L ↓

101 GCAAGGCTAA CGCTGTCCAG CCCGGCTCCT CCTGCTTGTG ACCTCCGAGT CCTCAGTAAA CTGCTTCGTG ACTCCCATGT CCTTCACAGC AGACTGGTGA
CGTTCCGATT GCGACAGGTC GGGCCGAGGA GGACGAACAC TGGAGGCTCA GGAGTCATTT GACGAAGCAC TGAGGGTACA GGAAGTGTCT TCTGACCACT

20

201 GAACTCCCAA CATTATCCCC TTTATCCGG TAACTGGTAA GACACCCATA CTCCCAGGAA GACACCATCA CTCCTTCTAA CTCCTTGACC CAATGACTAT
CTTGAGGGTT GTAATAGGGG AATAGGGC ATTGACCATT CTGTGGGTAT GAGGGTCCTT CTGTGGTAGT GAAGGAGATT GAGGAACCTGG GTTACTGATA

20

301 TCTTCCCAT TGTCCCCAC CTA CTCTCTGA CAAGAATTAT TCTTCACAAT ACAGCCCGCA TTTAAAAGCT CTCGTCTAGA
AGAAGGGTAT AACAGGGGTG GATGACTAGT GTGAGAGACT GTTCTTAATA AGAAGTGTTA TGTCGGGCGT AAATTTTCGA GAGCAGATCT

Figure 7

1 tcttcctaccatctgctccccagagggtgcctgctgtgcacttgggtcctggagcccttctccaccggatagattcctcacccttggccgcctttg

101 cccaccctactctgcccagaagtgaagagcctaagccgcctccatggccccaggaaggattcaggggagaggccccaacagggagccacgccagcca

MetGluLeuThrGluLeuLeuLeuValMetLeuLeuLeuThrAlaArgLeuThrLeuSerSerProAlaProProAlaCysAsp

201 gacaccccgccagaATGGAGCTGACTGAATTGCTCCTCGTGGTCATGCTTCTCTAACTGCAAGGCTAACGCTGTCCAGCCCGCTCCTCGTCTGTG

LeuArgValLeuSerLysLeuLeuArgAspSerHisValLeuHisSerArgLeuSerGlnCysProGluValHisProLeuProThrProValLeuLeu

301 ACCTCCGAGTCTCTCAGTAACTGCTTCGTGACTGCCATGTCCTTCACAGCAGACTGAGCCAGTGCCAGAGGTTACCCCTTTGCCTACACCTGTCTGTG

ProAlaValAspPheSerLeuGlyGluTrpLysThrGlnMetGluGluThrLysAlaGlnAspIleLeuGlyAlaValThrLeuLeuLeuGluGlyVal

401 GCCTGCTGTGGACTTTAGCTTGGGAGAATGAAAACCCAGATGGAGGAGACCAAGGCACAGGACATTCTGGGAGCAGTGACCCTTCTGTGAGGGAGTG

MetAlaAlaArgGlyGlnLeuGlyProThrCysLeuSerSerLeuLeuGlyGlnLeuSerGlyGlnValArgLeuLeuLeuGlyAlaLeuGlnSerLeuLeu

501 ATGGCAGCAGGGGACAACCTGGGACCCACTTGCTCTCATCCCTCTGGGGCAGCTTCTGGACAGGTCCGTCTCTCTTGGGGCCCTGCAGAGCCTCC

GlyThrGlnLeuProProGlnGlyArgThrThrAlaHisLysAspProAsnAlaIlePheLeuSerPheGlnHisLeuLeuArgGlyLysValArgPhe

601 TTGGAACCCAGCTTCCTCCACAGGGCAGGACCACAGCTCACAAGGATCCCAATGCCATCTTCCTGAGCTTCCAACACCTGCTCCGAGGAAAGGTGCGTTT

LeuMetLeuValGlyGlySerThrLeuCysValArgArgAlaProProThrThrAlaValProSerArgThrSerLeuValLeuThrLeuAsnGluLeu

701 CCTGATGCTTGTAGGAGGTCCACCCTCTGCGTCAGGCGGGCCCCACCCACACAGCTGTCCCAGCAGAACCTCTCTAGTCTCACACTGAACGAGCTC

ProAsnArgThrSerGlyLeuLeuGluThrAsnPheThrAlaSerAlaArgThrThrGlySerGlyLeuLeuLysTrpGlnGlnGlyPheArgAlaLysIle

801 CCAAACAGGACTTCTGGATTGTTGGAGACAACTTCACTGCCTCAGCCAGAACTACTGGCTCTGGGCTTCTGAAGTGGCAGCAGGGATTGAGCCAAAGA

ProGlyLeuLeuAsnGlnThrSerArgSerLeuAspGlnIleProGlyTyrLeuAsnArgIleHisGluLeuLeuAsnGlyThrArgGlyLeuPhePro

901 TTCCTGGTCTGCTGAACCAAACCTCCAGGTCCCTGGACCAAATCCCCGGATACCTGAACAGGATACACGAACTCTGAATGGAACCTCGTGGACTCTTCC

GlyProSerArgArgThrLeuGlyAlaProAspIleSerSerGlyThrSerAspThrGlySerLeuProProAsnLeuGlnProGlyTyrSerProSer

1001 TGGACCTCAGCAGGACCTTAGGAGCCCCGGACATTTCTCAGGAACATCAGACACAGGCTCCCTGCCACCCAACCTCCAGCCTGGATATTCTCCTTCC

ProThrHisProProThrGlyGlnTyrThrLeuPheProLeuProProThrLeuProThrProValValGlnLeuHisProLeuLeuProAspProSerAla

1101 CCAACCCATCCTCTACTGGACAGTATACGCTCTTCCCTCTTCCACCCACCTTGCCCAACCCCTGTGGTCCAGCTCCACCCCTGTCTCTGACCCTTCTG

ProThrProThrProThrSerProLeuLeuAsnThrSerTyrThrHisSerGlnAsnLeuSerGlnGluGly

1201 CTCCAACGCCCACCCCTACCAGCCCTTCTTAAACACATCCTACACCCACTCCAGAATCTGTCTCAGGAAGGGTAAGgttctcagacactgccgacatc

1301 agcattgtctcatgtacagctcccttccctgcagggcgcccctgggagacaactggacaagatttctacttttctcctgaaacccaagccctggtaaaa

1401 gggatacacaggactgaaaaggaatcatttttctactgtacattataaaccttcagaagctatttttttaagctatcagcaatactcatcagagcagcta

1501 gctcttttggctctatttttctgcagaaatttgcaactcactgattctctacatgctctttttctgtgataactctgcaaaggcctgggctggcctggcagtt

1601 gaacagagggagagactaaccttgagtcaaaaaacagagaaagggtaatttcttttgcttcaaattcaaggccttccaacgcccccatccccttactat

1701 cattctcagtgaggactctgatcccatattcttaacagatctttactcttgagaaatgaataagctttctctcagaaaaaaaaaaaaaaaaaaaaa

Figure 8

1 GAGTCCTTGG CCCACCTCTC TCCACCCCGA CTCTGCCGAA AGAAGCACAG AAGCTCAAGC GCGCTCCATG GCCCAGGAA AGATTACGGG GAGAGGCCCC

101 ATACAGGGAG CCACCTTCAGT TAGACACCCCT GGCAGAAATG GAGCTGACTG ATTGCTCTCT GCGGCCCATG CTTCTTGCAG TGGCAAGACT AACTCTGTCC

201 SerProVala laProAlaCy sAspProArg LeuLeuAsnL ysLeuLeuAr gAspSerHis LeuLeuHis erArgLeuSe rGlnCysPro AspValaspPro

201 AGCCCGGTAG CTCTGCTCTG TGACCCCGA CTCTTAATA AACTGTGCG TGACTCCAC CTCTTCACA CCCAGTGA GAGTGTCCC GACGTGCGAC

301 CTTTGTCTAT CCTGTCTCTG CTGCTGCTG CTGCTGCTG TGGACTTTAG CCGTGGGAG CCGTGGGAG TGGAAACCC AGACGGAACA GAGCAAGGCA CAGACATTC TAGGGGCAGT

401 GTCCCTCTTA CTGAGGGAG TGATGCAGC ACGAGGACAG TTGGAACCT CTGCTCTCTC ATCCCTCCTG GGACAGCTTT CTGGCAGGT TCGCCTCCTC

501 LeuGlyAlaL euGlnGlyLe uLeuGlyThr GlnGlyArgT hrThrAlaHi sLysaspPro AsnAlaLeuP heLeuSerLe uGlnGlnLeu LeuArgGlyLys

501 TTGGGGGCC TGCAGGGCCT CCTAGGAACC CAGGGCAGGA CCACAGCTCA CAAGACCCC AATGCCCTCT TCTTGAGCTT GCAACAACCTG CTTGGGGAA

601 ValArgPh eLeuLeuLeu ValGluGlyP roThrLeuCy sValArgArg ThrLeuProT hrThrAlaVa lProSerSer ThrSerGlnL euLeuThrLeu

601 AGGTGCGCTT CTGCTTCTG GTAGAAGGTC CCACCTCTG TGTGAGAGG ACCCTGCCAA CCACAGCTGT CCCAAGCAGT ACTTCTCAAC TCCTCACACT

701 AsnLysPhe ProAsnArgT hrSerGlyLe uLeuGluThr AsnPheSerV alThrAlaAr gThrAlaGly ProGlyLeuL euSerArgLe uGlnGlyPhe

701 AAACAAGTTC CCAACAGGA CTTCTGGATT GTTGAGAGC GTTGAGAGC GTTGAGAGC CCAATCTCT GGAATACCTG ACAGGACACA CGGACCTGTG AATGGAATC

801 ArgValLysI leThrProGl yGlnLeuAsn GlnThrSerA rgSerProVa lGlnIleSer GlyTyrLeuA snArgThrHi sGlyProVal AsnGlyThrHis

801 AGAGTCAAGA TTACTCTCTG TCAGCTAAT CAAAGCTCCA GGTCCTCCAGT CCAATCTCT GGAATACCTG ACAGGACACA CGGACCTGTG AATGGAATC

901 GlyLeuPh eAlaGlyThr SerLeuGlnT hrLeuGluAl aSerAspIle SerProGlyA laPheAsnLy sGlySerLeu AlapheAsnL euGlnGlyGly

901 ATGGGTCTTT TGCTGGAACC TCACTTCAGA CCCTGGAAGC CTCAGACATC TCGCCCGAG CTTTCAACAA AGGCTCCCTG GCATTCACCC TCCAGGGTGG

1001 LeuProPro SerProSerL euAlaProAs pGlyHisThr PropheProp roSerProAl aLeuProThr ThrHisGlyS erProGln nLeuHisPro

1001 ACTTCTCTCT TCTCCAAGCC TTGCTCTCTGA TGGACACA CCCTTCCCTC CTTCACTGCT CTTGCCACC ACCCATGGAT CTCACACCCA GCTCCACCCC

1101 LeuPheProA spProSerTh rThrMetPro AsnSerThra laProHisPr oValThrMet TyrProHisP roArgAsnLe uSerGlnGlu Thr

1101 CTGTTTCTCT ACCCTTCCAC CACCATGCT AACTCTACCG CCCTCTATCC AGTCAACAATG TACCCTCATC CCAGGAATTT GTCTCAGGAA ACATAGGCGG

1201 GGCACCTGCC CAGTGAGCCT CTGCAGCTTC TCTCGGGGAC AAGCTTCCCC AGGAAGGCTG AGAGGAGCT GCATCTGCTC CAGATGTCTT GCTTTCACCT

1301 AAAAGGCCCT GGGGAAGGA TACACAGCAC TGGAGATTGT AAAATTTTAT GAGCTATTTT TTTTAACTT ATCAGCAATA TTCATCAGAG CAGCTAGCGA

1401 TCTTGTCTCT ATTTTCGSTA TAAATTTGAA AATCACTAAT TCT

Figure 10

hML 1 S P A P P A C D L R V L S K L L R D S H V L H S R L S Q C P E V H P L P T P V L L P A V D F S L G E
mML 1 S P V A P A C D P R L L N K L L R D S H L L H S R L S Q C P D V D P L S I P V L L P A V D F S L G E

hML 51 W K T Q M E E T K A Q D I L G A V T L L L E G V M A A R G Q L G P T C L S S L L G Q L S G Q V R L L
mML 51 W K T Q T E Q S K A Q D I L G A V S L L L E G V M A A R G Q L E P S C L S S L L G Q L S G Q V R L L

hML 101 L G A L Q S L L G T Q L P P Q G R T T A H K D P N A I F L S F Q H L L R G K V R F L M L V G G S T L
mML 101 L G A L Q G L L G T . . . Q G R T T A H K D P N A L F L S L Q Q L L R G K V R F L L L V E G P T L

hML 151 C V R R A P P T T A V P S R T S L V L T L N E L P N R T S G L L E T N F T A S A R T T G S G L L K W
mML 147 C V R R T L P T T A V P S S T S Q L L T L N K F P N R T S G L L E T N F S V T A R T A G P G L L S R

hML 201 Q Q G F R A K I P G L L N Q T S R S L D Q I P G Y L N R I H E L L N G T R G L F P G P S R R T L G
mML 197 L Q G F R V K I T P G Q L N Q T S R S P V Q I S G Y L N R T H G P V N G T H G L F A G T S L Q T L E

hML 250 A P D I S S G T S D T G S L P P N L Q P G Y S P S P T H P P T G Q Y T L F P L P P T L P T . . . P V
mML 247 A S D I S P G A F N K G S L A F N L Q G G L P P S P S L A P D G H T P F P P S P A L P T T H G S P

hML 297 V Q L H P L L P D P S A P T P T P T S P L L N T S Y T H S Q N L S Q E G
mML 296 P Q L H P L F P D P S T T M P N S T A P H P V T M Y P H P R N L S Q E T

Figure 11

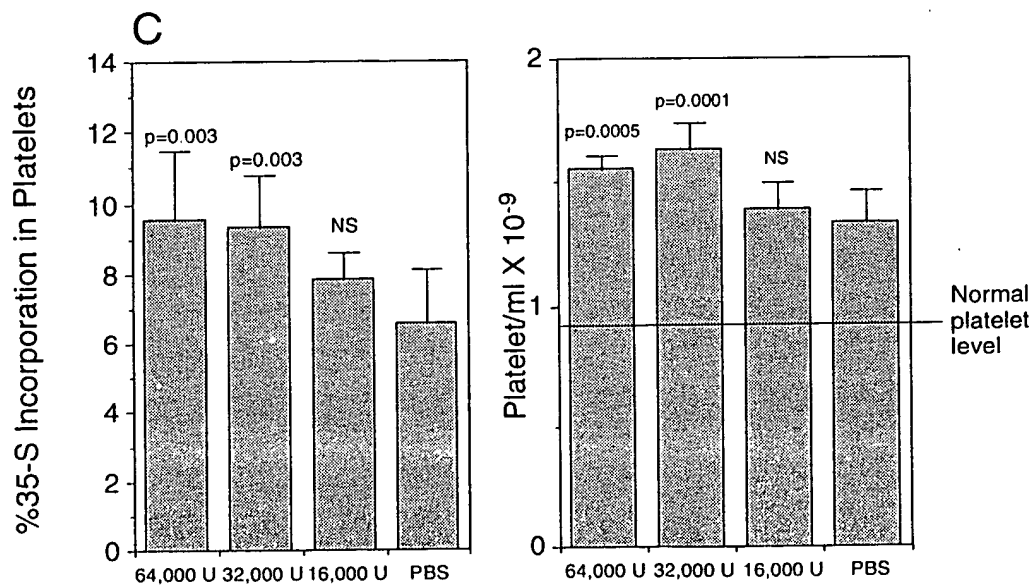
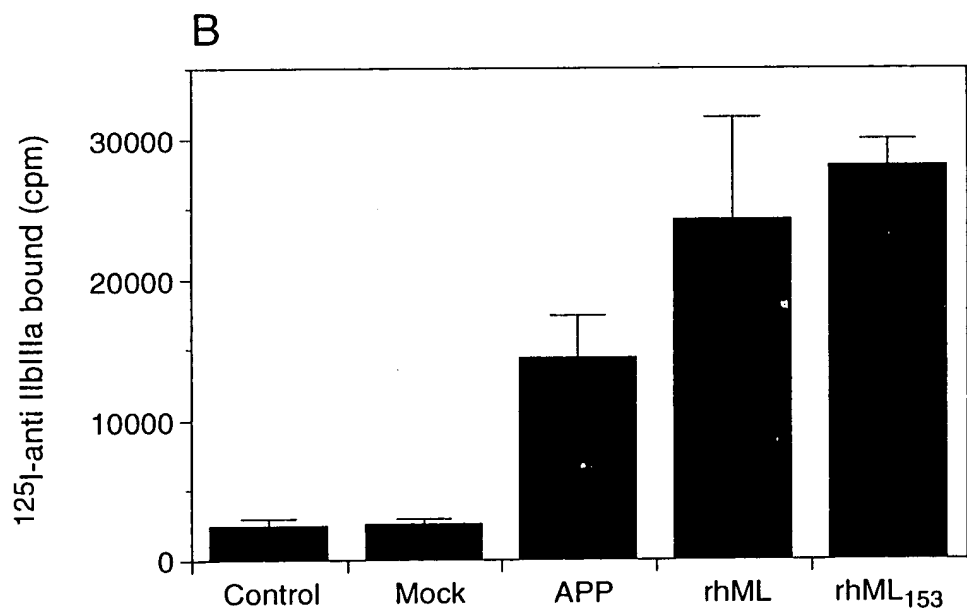
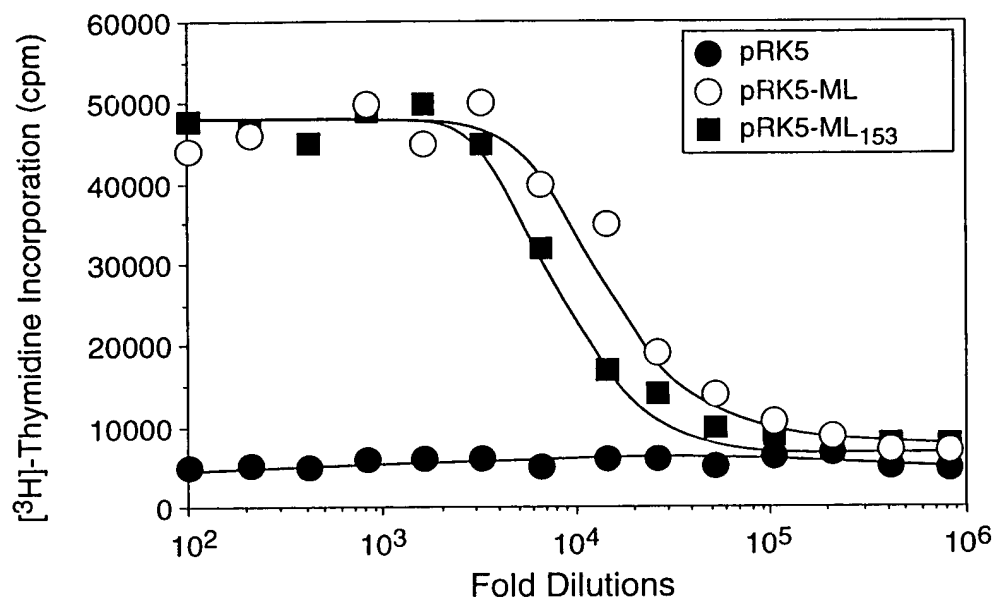


Figure 12